

Certified Validation Report

Audit Information:

Water Supplier Name: North Marin Water District

PWS ID: 2110003

System Type: Potable

Audit Period: Calendar year 2017

Utility Representation: David Ladd (Operations / Maintenance Program Assistant)

Validation Date: 9/5/2018

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 68 Data Validity Band (Level): Band III (51-70)

ILI: 0.01

Real Loss: 0.11 (gal/conn/day)

Apparent Loss: 8.18 (gal/conn.day)

Non-revenue water as percent of cost of operating system: 2.1%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here.

Validator Information:

Water Audit Validator: Gregory Plumb

Qualifications: Certified California Water Audit Validator, CA-NV AWWA

Validator Provided

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Water Audit Period: Calendar year 2017

Water Audit & Water Loss Improvement Steps:

Utility to provide steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

1. As of April 2017, the main SCWA billing meters are radio read. NMWD has operational meters read via SCADA that are compared to the SCWA billing meters so any difference in volume can be detected very quickly.
2. NMWD completed a successful trial of 200 AMI customer water meters in 2017 and is now in process of full system deployment (due to be completed 2019).

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Executive Position

Signature

Date

Julie Blue

Auditor/Controller

Julie Blue

10/12/18

Utility Provided